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$2.00 US

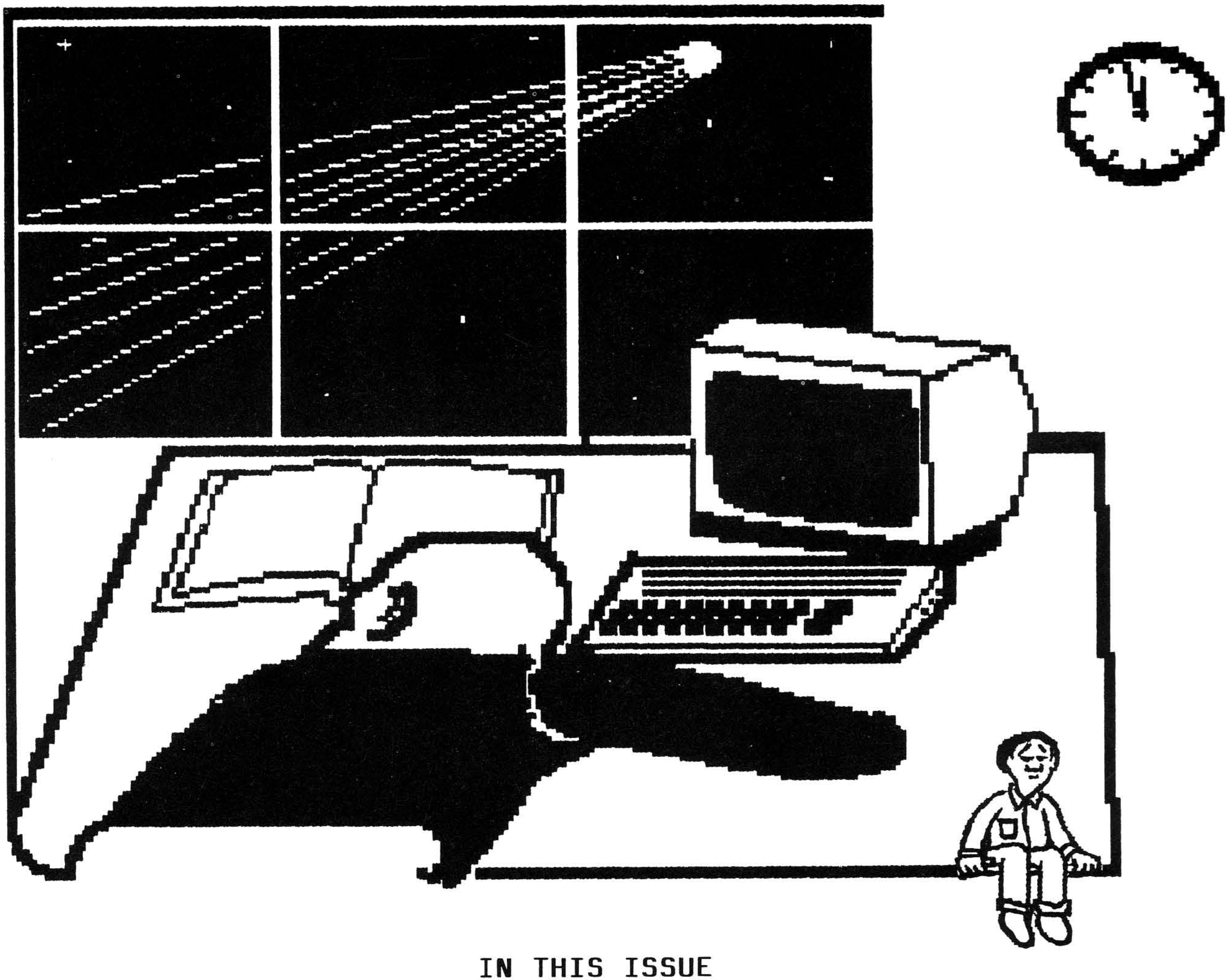
ISSUE 31

MARCH 1986

Midnite Software Gazette

The First Independent U.S. Magazine for users of Commodore brand computers.

Includes The PAPER



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Published by: MicroPACE Computers,
Robert Wolter.
Editor-in-Chief: Jim Oldfield, Jr.
Editor: Tim Sickbert
Art Director: Art Lewis Kimball
Assc. Editors: Jim & Ellen Strasma
Robert Baker
Dr. Richard Immers
Art Lewis Kimball
Subscriptions: $23 US $28 CDN
$33 S $43 AIR

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(Punter, 300/1200)

Issue #31 March 1986

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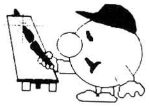

By Ben Reynolds
R & M Graphics Plus

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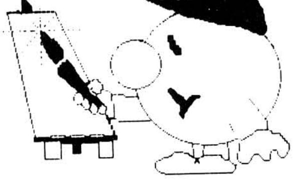

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Midnite Meanderings

Welcome. In early Feburary, Commodore news was not so good. 1) Commodore stock had dropped to just five dollars a share. 2) Commodore had to take care of their loans by the end of Feburary. Can it be that Commodore will be no more? Hard to believe, but it COULD happen. It's tough to be optimistic. What if Commodore does belly up? Atari is going to the K-Marts with their 520 ST and their new model, the 1040, is going to their old specialty stores (...doesn't this sound familiar), Apple is pushing the Macintosh into businessmen by literally attaching itself to the IBM PC. IBM is preparing their fourth generation of the PC, and TI is pushing their PC compatible and really pushing their printers. Where would the Midnite go if there was no more Commodore manufacturing ? A recent issue of The Wall Street Journal (the 'insiders' computer news daily) announced that CBM successfuly re-negotiated their bank loans. (Maybe I could get them to talk to my bank!) Commodore stock is now (first week of March) just over eight dollars a share.

Commodore will soon be bringing their PC compatible to the US market. How will their PC do? Besides Commodore's battle for crediblity, it will depend HEAVILY on the price. Many of you who read the 'PC' mags know that you can get a PC compatible computer for as little as $695. It'll be interesting to see how Commodore markets the beast, especially after the tragic handling of Commodore computer specialty stores.

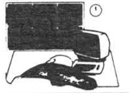
The West Coast Commodore Computer Fair, co-ordinated by the West Coast Commodore Association, was held at the Cathedral Hill Hotel in San Francisco on Feb. 8th and 9th. The fair was a huge success in terms of attendence and sales. Officials had to turn people away on orders of the fire marshall - You couldn't walk the aisles because of the people. I had to wait until well after closing before I could even SEE anything! Companies attending with Amiga products were Electronic Arts, Aegis Dev., Tecmar Inc., Anakin Research, ComSpec and others. For the C64, Mimic Systems was exhibiting (still, or again?) their Apple][emulator. One of the most exciting products for the C64 was GEOS from Berkeley Softworks. We hope to have a review of this product in a couple of issues, along with a few others we got our hands on. I really enjoy attending these fairs (in the vein of MARCA, TPUG, WCCA, etc.). They're more informative and enjoyable than the general purpose shows like CES. If you EVER have a chance to attend one, do!

I hope you enjoy R. Baker's articles here in the Midnite. You may notice that he doesn't exclude PET owners. At times, many readers have said that we only cover the latest machines from Commodore. You will see that Baker's BASIC programs will usually run on all CBM computers.

The center of this issue is a pull-out. It's an index of all the reviews and related manufacturers that have appeared in the last 30 issues of Midnite. Pull it out and keep it handy. We were hoping to include also an index of all the articles published in the Midnite; there simply was not enough room. We struggled hard enough about cutting reviews to put these indeces in. We hope you find the index useful. We will be chock full of reviews next month.

While compiling these lists, we discovered hundreds of pages of information. Would any of you be interested in such a thing? We have over 10 times the information published here that we don't have room to print. We have listings of reviews and articles, product listings, BBSs, manufacturers, distributors, CBM machines since the 2001, Commodore offices around the world, several public domain catalogs - including TPUG and Compuserve, etc. Should we do a book?

In any case, I hope you enjoy this issue, and look forward to your response, and your reviews. Thank you! JO.



Reviews

TEXTCRAFT 1.0: $69.95? wordprocessor on disk for the Amiga 1000, 256K or 512K. By Arktronics, from Commodore. Unprotected. Disclaimer of warranty.

This bare bones wordprocessor hints at the power of the Amiga, but does not take full advantage of it. The whole thing is menu driven. All features can be executed by using the mouse, and many of them can be accessed by keystroke commands. Using the mouse is definitely easier, and is, apparently, required for some commands. You can use keystrokes to get to almost any menu or requester or to get to any of the formatting commands. But, once you get into the requester or menu, you must use the mouse to select most options. The <ESC> key can be used at almost any time to cancel.

Cursor control is incredible as well. You can move almost anywhere - word, line, paragraph, page, home, or end - by using a combination keystroke or the redefined numeric keypad. And, nearly true what-you-see-is-what-you-get, all boldfacing, italics, underlines, super- and subscripts, double spacing, etc., are shown on the screen. The only limitation is in the headers, footers, and page numbers. The text is divided into pages of the correct length as you type. I filled up the memory with something over 65 60-line pages of text. Probably most impressive in this respect is the on screen justification. Lines appear justified by word as you complete each line. And, if you want right aligned text, the cursor starts out on the right side of the page, and text moves to the left until you complete the line. Centered text starts out in the middle. You can change the format of a single paragraph or the whole text, quickly and easily. You can enter boldface, underlined, and italicized text, or you can type it all in as normal text and change it using the mouse. Search and replace are supported and work well.

If you have trouble setting up a format for something, several fill in the blank templates are provided for such things as business letters, memos, resumes, term papers, etc. Term papers, for example, include options for biographies, title page, and the like.

Some options are notably missing from what I hope to see in later wordprocessors for the Amiga. Namely, multiple columns, multiple fonts, true proportional spacing, and variable line spacing. There are currently no provisions for such things as 8, 10, or 12 lines per inch, or varying from 10 characters per inch within one document. Also, there are no provisions for incorporating graphics in the text. This makes Textcraft unfit for heavy duty, high quality, multi-function word processing. But it works, and I found few, if any, bugs. There were just a few things that seemed a little bit unclear and one option that I could not get to. Namely, in order to get back to the Workbench screen, you must open Textcraft from CLI. I could not get into CLI from the Textcraft Workbench screen. I think that there is a way around this, but it is a hassle, and not really that important yet.

All in all, I am pleased to see any wordprocessor come out for the Amiga. And the fact that this one works so well is impressive. Even without the additional features I need for it to be useful, I enjoy playing with it and believe that most users will find it more than adequate for light general use. Recommended. Tim

VIZA WRITE CLASSIC: [update #30, pg. 13] $89.95 wordprocessor on disk with ROM cartridge for the C128. From Viza Software, distributed by Solid State Software. DOS protected. Licensed. 15 day money back satisfaction guarantee.

VIZAWRITE CLASSIC is a very powerful word processor designed with the power of the 128 in mind. It is a screen editor; you set the margins and what appears on the screen is exactly what you will get on paper. The potential file size is enormous: 55K. Given the way the program formats, this offers 30 pages single spaced or 60 pages of double spaced text per file (that allows up to 3 times as much text space as WordPro 128.) And, like Timework's WordWriter 128, Vizawrite

Classic uses MacIntosh-like menus to process user requests.

The command structure is similar to that of Precision Software's Superscript or Timework's Wordwriter 128. Just hit the logo key to access the command line at the top of the screen then choose the primary command by moving the bar cursor to your selection or by hitting the first letter of the command. This will drop down another menu that works the same way. For example, to get a directory, simply hit the logo key, 'f' for file, then 'l' to list.

Scrolling is by line, page, half screen, tab set, or from one end of a line to the other. These controls are better than WordPro 128's line scrolling, but Vizawrite's line scrolling is slow. All controls are logically laid out permitting beginners to get started almost immediately; more sophisticated commands are available once the basics have been learned. It is in these advanced commands the Vizawrite shines.

The integrated spelling checker (as with its progenitor, Omniwriter) keeps track of the number of paragraphs, words, sentences, and pages used. The spelling checker works like that of Fleet System, first building a word list, either alphabetically or by frequency of occurence. There is a built-in calculator, with additional commands for automatic column and row calculations. There are separate screens for notes, headers, footers, and dynamic glossary lists--all of which is saved with the file. One of the more intriguing capabilities (at least promised in the next upgrade) is the programs ability to read Paperclip, Easyscript, and WP64 files.

Printing with Vizawrite Classic does not have quite the power of WordPro 128. To alternate margins, the user must set each page manually. Setting the top margin requires inserting carriage returns on the header page to establish the beginning line for text. But Vizawrite does many things and does them well. Layout is determined by 'format lines' that set tabs and margins anywhere and anytime within a file. These format lines can be left on screen or hidden. Underlined, centered, and boldface text are shown on screen. Footers and headers are not restricted to one line. Automatic repagination lets you change the number of lines per page with a single command at any time (this can be troublesome when using multiple columns). The program permits up to eight columns on screen and in print. As with WordPro 128, multiple font combinations are available, depending on your printer. Vizawrite, however, provides for Epson and Epson compatible (but not on IBM printers) three truly proportional NLQ character fonts. Most intriguing--but beyond my means--is the claim that the program will drive an HP Laserjet printer.

Gripes? Well, I have some minor complaints. The menu command system helps in the beginning, but I found that there seemed to be either an extra keystroke or a longer delay for each command than with WordPro. The long load time with the 1541 drive of almost 3 minutes as opposed to WordPro 128's one minute is excruciatingly slow and may put off some users. The directory reads only Vizawrite files, which complicates the excellent merge capabilities of the program. Version 1.1 had a number of bugs, the most serious being the failure to save all the printer parameters set by the module, and the tendency to crash at a variety of points. Solid State Software is aware of these problems and will soon have version 1.2 available to registered owners (only the disk needs changes) for a small fee. Finally, I would encourage Kelvin Lacey--programmer and creator of Vizastar and Vizawrite--that any future revision include a column sort capability a la Paperclip.

Which leads me to my most serious qualification: the lack of established printer modules. The program provides editing capabilities so that each user can customize the program to his printer's abilities. I have a working profile for IBM's Proprinter for anyone interested, but it took several hours of comparing my printer manual to Vizawrite's manual.

Moreover, the program requires the printer module (printer profile in Vizawrite's jargon) have a secondary address of 7 to work properly with Cardco interfaces (my experience is with the 'G' and 'G-Whiz.')

Conclusions? I have used both wordprocessors and find that, while I am accustomed to the character editing of WordPro 128, beginners will find Vizawrite Classic's similarities to typing on a typewriter easier learn. And I must admit that the integrated spelling checker/text analyzer saves much time.

Moreover, the promise that Vizastar will soon be available for the C128 makes Vizawrite Classic even more attractive. Recommended. Richard L. Haan.

FLEET SYSTEM 3: $99.95 wordprocessor, spellchecker, thesaurus on disk for the C128, by Jacques Lebrun, from Professional Software, Inc. and Visiontronics, Ltd. Copy protected program. Unprotected dictionary and thesaurus. Backup for a nominal fee.

This one is not bad at all. It is very similar to WordPro 128 in the way it works, but has many added features. Major additions include: foreign characters; optional 120 column editing with horizontal scrolling; more and better cursor control commands; numeric tabs; arithmetic functions on columns; partial file saves; print from page; built in spell checker with dictionary; and a built in thesaraus. Very nice. I could not get the spelling checker to work properly because of an error on the dictionary disk. Memory: 648 lines of 80 column or 432 lines of 120 column text in the main text area, 150 lines of 80 column or 100 lines of 120 column text in the extra text area. If you are familiar with WordPro's command syntax and formatting commands, you will quickly get a good feeling for Fleet System; they are almost identical.

The thesaurus is beautiful. It is fast, easy to use, and very automatic. Tell it whether you want to find a synonym or an antonym, give it the word, either from text or key it in, and it will come back with a list of words in a window. Cursor to the one you want and hit return, and your word is automatically replaced in your text. Fascinating. Fleet System 3 is worth much of its price for the thesaurus.

While Fleet System far outclasses WordPro in the features it offers, some features are not implemented very well. More than anything else, it is slow in some areas. The delete key is sluggish and can be tricky to use. When copying or moving, you must have enough blank lines for the range or it will overwrite the text. It does not allow ranges to be transferred between main and extra text. Variable blocks and merged data entry - for form letters - are supported, but if the same data is used twice it must appear twice in the data you are merging. Merges from sequential disk file are also supported. It does allow dynamic directory entry for loading a file from disk, but when you get the directory you lose your text. This makes it difficult to merge files in memory. Of course, you can recall the directory into the extra text area, as long as you don't have any text there. But this can get inconvenient if you have some file names that are as arcane as mine. And you still have to go back to the main text area to merge. Finally, my main gripe. Text is saved to disk as User files. Why? Then again, it will load and save PETSCII files, and will print files to disk in PETSCII or true ASCII. So it doesn't hurt that bad, it is just inconvenient.

The copy I reviewed came with an updated Fleet System 2 manual, and the on disk tutorials were intended for a forty column screen. Several pages of the appendix were bound upside down in the manual. These flaws do not affect the workings of an otherwise good package, but Professional Software could do better.

So, although it is a bit slow in spots and weak in some areas, it works. It has lots of nice features. And, other than a bad block on my dictionary disk, it worked for several hours without a hitch. For general use, and especially considering the 90,000 word dictionary and thesaurus, Fleet System 3 is Highly Recommended. Tim

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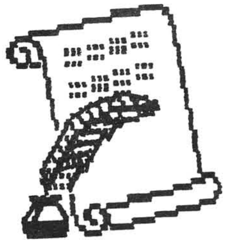
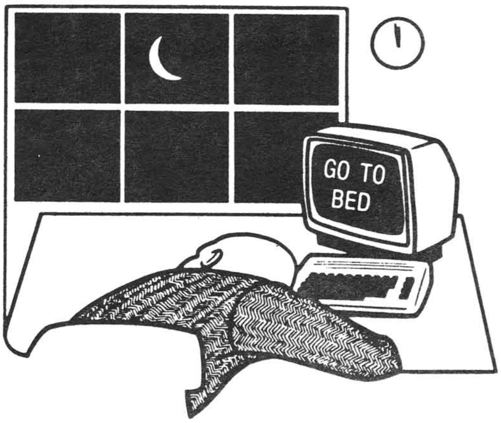


INDEX OF REVIEWS AND MANUFACTURERS

In thirty issues we have reviewed over 1600 products for Commodore machines. These reviews have been a valuable resource to users across the United States and around the world. Some particular issues have been substandard. Others have been exceptional. This has been almost inevitable because we have been, for most of our history, very dependent on the unrewarded contributions of our readers. We still rely upon the contributions, but now we are beginning to reward them. Hopefully, this will allow us to more consistently give you the high quality to which we aspire. We have been around awhile. We intend to stay. Stay with us and help us, with your subscriptions and, even more, with your submissions.



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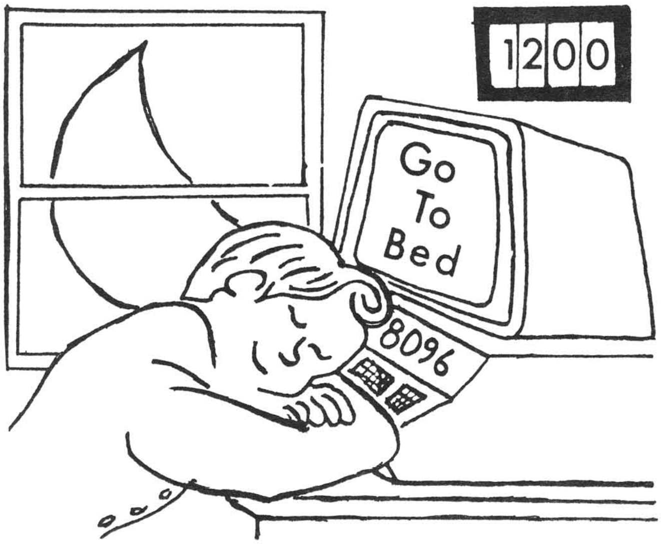

Within these pages you will find listings of all reviews published in the Midnite Software Gazette, and of the manufacturers of all the products reviewed. This index took some little time to compile, but it is only an indication of the untold hours given by countless people to make Midnite what it is. Hundreds of people have contributed to Midnite. Each and every one of them deserves our gratitude. Unfortunately, we don't have room for a listing of all the authors, much less their addresses. But special thanks must be given to Ralph Bressler who started the Paper Article, and to Jim and Ellen Strasma who started the Midnite and kept it going for all these years. So many others have contributed so much. Thank you.

James A. Oldfield Jr.

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HARCOURT BRACE JOVANOVICH INC	1250 6TH AVE	SAN DIEGO CA	92101
HARDCOPY UG NEWS.	8738 WILDFOREST	HOUSTON TX	77088
(uh!lok½muh§	DnJ°(mGDFOREST	HOUSTON TX	77088
HARMONY VIDEO AND ELECTRONICS	2357 CONEY IS. AVE	BROOKLYN NY	11223
HARRISON COMPUTER CENTER	2263 BROADDHOLLOW RD	E FARMINGDALE NY	11735
HAYDEN BOOKS	10 MULHOLLAND DR	HASBROUCK HTS., NJ	07604
HAYES MICROCOMPUTER PROD.	5835 PEACHTREE CORNERS E.	NORCROSS GA	30092
HBH SALES CO.	225 WEST MAIN	COLLINSVILLE IL	62234
HD MFG. INC	91 LONG HILL RD	LEVERETT MA	01054
HES	150 N HILL DR	BRISBANE CA	94005
HI-TECH COMPUTERS LTD	DEPT. A 7 QUEENSWAY	HEMEL HEMPSTEAD HERTSHIRE	UK
L. HILMOE AND SONS	9419 CADDY LANE	CALEDONIA WI	53108
DR JERRY L HINTZE	865 E. 400 NORTH	KAYSVILLE UT	84037
HOLFORD ENTERPRISES	6065 ROSWELL RD SUITE 1398	ATLANTA GA	30328
HUH ELECTRONICS	1429 MAPLE ST	SAN MATEO CA	94402
HUMAN ENGINEERED SOFTWARE	71 PARK LANE	BRISBANE CA	90066
HYPERTECH	1820 NE 142ND ST PENTHOUSE 7	MIAMI FL	33181
IBME	601 UNIV. AVE SUITE 261	SACRAMENTO CA	95825
ICS MICRO WHOLESALE	BOX 1243	PROVO UT	84603
ICUSS NEWSLETTER ROBERT LEMON	326 JOLIET ST.	WEST CHICAGO IL	60185
IDPC	BOX 11594	PHILADELPHIA PA	19116
IMAGIC	981 UNIVERSITY AVE	LOS GATOS CA	95030
INDUS SYSTEMS	9304 DEERING AVE	CHATSWORTH CA	91311
INFO DESIGNS INC	445 ENTERPRISE CT	BLOOMFIELD HILLS, MI	48013
INFOCOM	55 WHEELER	CAMBRIDGE MA	02138
INFOSYSTEMS LTD	BOX 2001	SACKVILLE NB	EOA 3C0
INFO WORLD PUB.	375 COCHITUATE RD	FRAMINGHAM MA	01701
INKWELL SYS.	7677 RONSON RD	SAN DIEGO CA	92138
INSTANT SOFTWARE	ELM ST. AND RT. 1	PETERBOROUGH NH	03458
INSTRUTEK	CHRISTIANSHOLMSGADE	DK-8700 HORSENS	DENMARK
INTEGRATED CONTROLS	1240 L LOGAN AVE	COSTA MESA CA	92626
INTEGREX INC	233 N JUNIPER ST	PHILADELPHIA PA	19107
INTELLIGENT SOFTWARE	BOX A	SAN ANSELMO CA	94960
INTERFACE AGE	16704 MARQUARDT AVE	CERRITOS CA	90701
INTERLINK INC	PO BOS 1334	BERRIEN SPRINGS MI	49103
IPUG	109 YORK RD	FARNBOROUGH HANTS GU14	6NQ UK

ISA SOFTWARE	14114 DALLAS PARKWAY SUITE 530	DALLAS TX	75240
ISIS HATHOR DIGITAL PROD.	6184 VERDURA AVE	GOLETA CA	93777
ISLAND SOFTWARE	BOX 300	LAKE GROVE NY	11755
JASON RANHEIM	580 PARROT ST	SAN JOSE CA	95112
JEFFERIES REPORT	BOX 6838	SANTA BARBARA CA	93160
JINI MICRO SYS.	PO BOX 274	RIVERDALE NY	10463
JMC	1025 INDUSTRIAL DR	BENSONVILLE IL	60106-1297
JOHN HENRY SOFTWARE	PO BOX 39021	CINNCINNATI OH	45239
DON JOHNSON	16518 126TH SE	RENTON WA	98055
JOU LAB.	2116 E ARAPHARO SUITE 371	RICHARDSON TX	75081
JOURNAL OF COMPUTERS READING	BOX 13039	OAKLAND CA	94661
JOURNAL 20	BOX 1149	VAN ALSTYNE TX	75095
JSR ENTERPRISES	10035 WHITE PINE LN	SANTEE CA	92071
K8 SOFTWARE	BOX 248C	CONATON CT	06019
KANSAS CITY COMPUTERS	5214 BLUE RIDGE BLVD	KANSAS CITY MO	64133
KELLEY BUS. MACHINES INC	1820 TERRY AVE	SEATTLE WA	98101
KERR SOFTWARE	1390 S NEWTON	DENVER CO	80219
KIDBIT SOFTWARE	7001 S:UNKIST DR	OAKLAND CA	94103
KIWISOFT PROGRAMS	18003-L SKYPARK S	IRVINE CA	92714
KOALA TECHNOLOGIES	3100 PATRICK HENRY DR	SANTA CLARA CA	95050
KOBETEK SYSTEMS	1007 COMMERCIAL ST	NEW MINAS NS	B4N 3C4
KRELL SOFTWARE	21 MILLBROOK DR	STONY BROOK NY	11790
KYAN SOFTWARE	1850 UNION ST.	SAN FRANCISCO CA	94123
LEADING EDGE COMPUTER PROD.	225 TURNPIKE ST	CANTON MA	02021
LEMDATA PROD.	PO BOX 1080	COLUMBIA MD	21044
LEVEL LTD	PO BOX 438 HAMPSTEAD	LONDON NW3 1BH	England
LIGHTNING SOFTWARE	BOX 11725	PALO ALTO CA	94306
LIMBIC SYS.	1056 ELWELL CT	PALO ALTO CA	94303
LITTLE WIZARD DISTRIBUTING	1211 LAMBETH RD SUITE 4	WAUKESHA WI	53186
LLAMASOFT	71 PARK LANE	BRISBANE CA	90066
LOAD 20 MAG	550 GRANT AVE	JUNCTION CITY KS	66441
LOGOS SOFTWARE	3192 LAUREL CANYON RD	SANTA BARBARA CA	93015
LUNA SOFTWARE	BOX 26922	SAN JOSE CA	95159-6922
LYCO COMPUTER	BOX 10	COGAN STATION PA	17728
MACRO DYNAMICS	8950 INDIAN MOUND CT	COLUMBUS OH	43213
MADISON COMPUTERS	1825 MONROE ST	MADISON WI	53711
MAG INC	PO BOX 346, 493 E CLAYTON ST	ATHENS GA	30603
MAGIC CARPET	POB 35115	PHOENIX AZ	85069
MAGIC MINISTRY	ZION LUTHERAN CHURCH	DAUPHIN PA	17018
MAIL COMP	9434 CHESAPEAKE DR	SAN DIEGO CA	92123
MANNESMANN-TALLY	8301 S 180TH	KENT WA	98031
MANTRONICS SOFTWARE DESIGN	360 PIERCE PLAZA	N MANKATO MN	56001
MARCO POLO CO.	4681 S 83RD E AVE	TULSA OK	74145
MARIAH COMPUTING	BOX 513	COLUMBIA MD	65207
MARSHVIEW SOFTWARE	PO BOX 1212	SACKVILLE NB	E0A 3C0
MASTER SOFTWARE	6 HILLERY CT	RANDALLSTOWN MD	21133
MASTER THREE CORP	210 5TH DR.	NY NY	10010
MATOR	3002 SANTA MONICA BLVD	SANTA MONICA CA	90405
MATRIX SOFTWARE	315 MARION AVE	BIG RAPIDS MI	49307
MECC	3490 LEXINGTON AVE N.	ST. PAUL MN	55126
MELLOR COMPUTER CONSULTANCY	3 TOWN ST. MARPLE BRIDGE	STOCKPORT SK6 5AA	UK
MERCURY MICRO INC	DEPT D CHERRY FIELDS RD	DRAYDEN MD	20630
MERLAN SCIENTIFIC	247 ARMSTRONG AVE	GEORGETOWN ONT	07G 4X6
MERLIN ENTERPRISES	BOX 2876	TORRANCE CA	90509
META TECHNOLOGIES	2611 BRUSH AVE	EUCLID OH	44132
METARESEARCH INC	1100 SE WOODWARD	PORTLAND OR	97202
MICHAELSOFT	4821 HARVEST CT.	COLORADO SPRGS.,CO	80917
MICRO COMPUTER IND.	500 EAST OAK ST	FORT COLLINS CO	80524
MICRO-ED	PO BOS 24156	MINNEAPOLIS MN	55424
MICRO INFORMATION SYSTEMS	BOX 73	WA:YNE NJ	07470
MICRO LOGIC CORP	PO BOX 174	HACKENSACK NY	07602
MICRO MAGAZINE	PO BOX 6502	CHELMSFORD MA	01824
MICRO MANIA	BOX 4110	ELKHART IN	46514
MICRO MITTENS	BOX 10246	SAN JOSE CA	95157
MICRO MANAGEMENT SYS. INC.	2803 THOMASVILLE RD	CAIRO GA	31728
MICRO SOFTWARE SYS.	PO BOX 1442	WOODBRIDGE VA	22193
MICRO-SYSTEMS	11105 SHADY TRAIL #103	DALLAS TX	75229

MICRO STAR	5633 EMIGRATION CANYON	SALT LAKE CITY UT	84108
MICRO TECHNOLOGY UNLIMITED	PO BOX 12106, 2806 HILLSBOROUG	RALEIGH NC	27605
MICRO WORLD COMPUTERS INC	3333 W WADSWORTH BLVD	LAKEWOOD CO	80227
MICRO W	1342 ROUTE 23	BUTLER NJ	07405
MICRO COMPUTER PRINTOUT	BOX 48	NEWBURY RG16 0BD	UK
MICROCOMPUTING MAGAZINE	73 PINE ST	PETERBOROUGH NH	03458
MICRO COMSCRIBE	8982 STIMSON CT	SAN DIEGO CA	92129
MICRO DIGITAL	752 JOHN GLENN BLVD	WEBSTER NY	14580
MICRO LAB	2699 SKOKIE VALLEY RD	HIGHLAND PARK IL	60035
MICRON TECH.	2805 E COLUMBIA RD	BOISE ID	83706
MICRO-PACE COMPUTERS	1510 N. NEIL ST.	CHAMPAIGN, IL	61820
MICROPHYS	2048 LOARD ST	BROOKLYN NY	11229
MICROPROSE SOFTWARE	10616 BEAVER DAM RD	HUNT VALLEY MD	21030
MICROSETTE CO	475 ELLIS ST.	MT. VIEW CA	94043
MICRO SIGNAL PUBLICATIONS	BOX 22	MILLWOOD NY	10546
MICRO SPEC LTD	2905 PORTS O CALL CT	PLANO TX	75075
MICROTEK	9514 CHESPEAKE DR	SAN DIEGO CA	92123
MICROTECHNIC SOLUTIONS	POB 2940 NEW HAVEN	FAIRFAX VA	22032
MICROXHANGE	222 E CARRILLO SUITE 101	SANTA BARBARA CA	93101
MIDNITE SOFTWARE GAZETTE	PO BOX 1747	CHAMPAIGN IL	61820
MIDWEST MICRO ASSC.	BOX 6148	KANSAS CITY MO	64110
MIDWEST SOFTWARE	BOX 214	FARMINGTON MI	48024
MIDWEST MICRO	311-72ND ST	KANSAS CITY MO	64114
MILLIKEN PUB. CO.	1100 RESEARCH BLVD	ST LOUIS MO	63132
MINDSCAPE	3444 DUNDEE RD	NORTHBROOK IL	60062
MINI-VAC INC	BOX 3981	GLENDALE CA	91201
MINNESOTA MICRO SYS.	514 CEDAR AVE	MINNEAPOLIS MN	55454
MIRAGE CONCEPTS	4055 W SHAW #108	FRESNO CA	93711
MIS	250 FERN ROCK WAY	BOULDER CREEK CA	95006
MISSING LINK PROD.	BOX 6460	COLORADO SPRINGS CO	80934
MNEMATICS	MNEMATICS VIDEOTEX INC	SPARKILL NY	10976-0019
MOOSEWARE INC.	BOX 17868	IRVINE CA	92713
WILLIAM MORROW	105 MADISON AVE	NY NY	10016
MOS TECHNOLOGY	950 RITTENHOUSE RD	NORRISTOWN PA	19401
MSC PO BOX 1325	BRISTOL VA	24203	
MSD INC	11103 SHADY TRAIL SUITE 104	DALLAS TX	75229
M SOFT	12027 PACIFIC ST	OMAHA NE	68154
MTG TECHNICAL SALES	281 NEEDHAM ST	NEWTON MA	02164
MUSE SOFTWARE	347 N CHARLES ST	BALTIMORE MD	21201
NANOSEC	4185 S 300 WEST SUITE 12	OGDEN UT	84403
NATIONAL VIC 20 USERS GROUP	BOX 34575	OMAHA NE	68134
NATIONAL VIC ASSC	9 CRABAPPLE LN	NANUET NY	10954
NAVARONE IND. INC	19968 EL RA:Y LN	SONORA CA	95370
NDC	117 W 23RD ST	INDEPENDENCE MO	64055
NEECO	679 HIGHLAND AVE	NEEDHAM MA	02194
NELSON SOFTWARE	2232 OGDEN CT	ST PAUL MN	55119
NEW HORIZONS GROUP	#3-119 CHARLES ST	N VANCOUVER BC	V7H 1S1
NIBBLES AND BITS	POB 2044	ORCUTT CA	93455
NICK HAMPSHIRE PUBLISHER	167-169 GREAT PORTLAND ST	LONDON W1 ENGLAND	
NORTHERN TECHNOLOGY BOOKS	PO BOX 62	EVANSTON IL	60204
NORTHERN BYTES	1804 W 18TH ST. LOT 155	SAULT STE MARIE MI	49783
NORTHLAND ACCOUNTING INC	606 SECOND AVE	TWO HARBORS MN	55616
NTH DIGIT SOLUTIONS	3243 ARLINGTON AVE #195	RIVERSIDE CA	92506
NUFEKOP	BOX 156	SHADY COVE OR	97539-0156
ODESTA	3186 DOOLITTLE DR	NORTHBROOK IL	60062
OHAUS	2325 PARAGOR DR	SAN JOSE CA	
OK CONNECTION	1401 N ROCKWELL	OKLAHOMA CITY OK	73127
OKIDATA	532 FELLOWSHIP RD	MT. LAUREL NJ	08054
OLYMPIC SALES	216 S. OXFORD AVE	LOS ANGELES CA	90004
OMNITRONIX	PO BOX 43	MERCER ISLAND WA	98040
ON LINE SOFTWARE	BOX 2044	ORCUTT CA	93455
ON-LINE COMMUNICATIONS	3938 MEADOWBROOK RD	MINNEAPOLIS MN	55426
OPTIMIZED DATA SYS	PO BOX 595	PLACENTIA CA	92670
OPTOMAM CONSUMER PRODUCTS	BOX 1038	PLACERVILLE CA	95667
ORANGE MICRO	3150 E LA PALMA SUITE 1	ANAHEIM CA	92806
ORIGIN SOFTWARE	340 HARVEY RD	MANCHESTER NH	03103
OSBORNE/MCGRAW HILL	630 BANCROFT WAY	BERKELEY CA	94710
O'SULLIVAN IND.	19TH AND GULF STREETS	LAMAR MO	64759

OXFORD COMPUTER SYS.	HENSINGTON RD	WOODSTOCK OXFORD ENGLAND	0X7 1JR
PACIFIC COAST SOFTWARE	3220 S BREA CANYON RD	DIAMOND BAR CA	91765
PANTECH COMPUTER SYSTEMS	1604 WALKER BLDG	SALT LAKE CITY UT	84111
PAPER TRACTOR	1 S. FAIRVIEW	GOLETA CA	93117
PARKER BROS.	50 DUNHAM RD	BEVERLY MA	01915
PARR PROGRAMMING	2664 TYLER ST	GARY IN	46407
PARSEC RESEARCH	41805 ALBREA ST	FREMONT CA	94538
M PASCALL SOFTWARE	BOX 1143	SANTEE CA	92071
PEEK MAGAZINE	4145 BROOKSIDE BLVD	CLEVELAND OH	44135
PENDULUM SOFTWARE	1310 DOVER HILL RD	SANTA BARBARA CA	93103
PENGUIN SOFTWARE	830 4TH AVE	GENEVA IL	60134
PEOPLE LINK	3215 N FRONTAGE RD. SUITE 1505	ARLINGTON HTS., IL	60004
PERFORMANCE MICRO PROD.	PO BOX 370	CANTON MA	02021
PERSIMMON PHERIPHERALS	RT 2 BOX 2306A	CLAYTON GA	30525
PERSONAL COMPUTING	BOX 2941	BOULDER CO	80321
PERSONAL COMPUTER SYS.	BOX 1073	SYRACUSE NY	13201
PERSONAL PERIPHERAL PROD.	BOX 6460	COLORADO SPRINGS CO	80934
PERSONAL COMPUTERS INC	4533 BAILEY AVE	AMHERST NY	14226
PETTED MICROSYSTEMS	BOX 21851,4265 W LOOMIS RD	MILWAUKEE WI	53221
PF COMMUNICATIONS	2727 N GROVE IND.DR #101	FRESNO CA	93727
PHANTOM SOFTWARE	116-A 8TH ST. SUITE 155	MANHATTEN BEACH CA	90266
PIONEER SOFTWARE	1112 FORT ST	VICTORIA BC	V8V 4V2
PIXEL PRODUCTIONS	39 RIPLEY GARDENS	LONDON SW14 BHF	UK
PLAYNET	200 JORDAN RD. SUITE 180	TROY NY	12180
PM PRODUCTS	4455 TORRANCE BLVD #177	TORRANCE CA	90503
PM SOFTWARE	4400 ARDEN VIEW CT	ST PAUL MN	55112
PRACTICORP	44 OAK ST	NEWTON UPPER FALLS MA	02164
PRACTICAL APPLICATIONS OF CA	PO BOX 255768	SACRAMENTO CA	95825
PRECISION TECHNOLOGY	2970 S. RICHARD ST	SALT LAKE CITY UT	84115
PRENTICE HALL	PO BOX 819	ENGLEWOOD CLIFFS NJ	07632
P.R.I.C.E.	67 TEED DR	RANDOLPH MA	02368
PRICKLY PEAR SOFTWARE	9822 E STELLA RD	TUCSON AZ	85730
PRO-LINE SOFTWARE LTD	755 THE QUEENSWAY E. UNIT 10	MISSISSAUGA ONT	L4Y 4C5
PRO-TECH	7411 SW 147TH CT	MIAMI FL	33193
PROFESSIONAL SOFTWARE INC.	51 FREMONT ST	NEEDHAM MA	02194
PROFESSIONAL MICRO SERVICE	100 W 22ND ST	BALTIMORE MD	21218
PROGRAMMERS INSTITUTE	PO BOX 3470	CHAPEL HILL NC	27514
PROGRAMS INTERNATIONAL	MORAVIA CENTER IND. PARK	BALTIMORE MD	21206
PROGRESS COMPUTERS	7073 LYNNETREE WAY	CITRUS HTS. CA	95610
PROGRESSIVE PERIPHERALS	464 KALAMAATH ST	DENVER CO	80204
PROTECTO ENT	BOX 550	BARRINGTON IL	60010
B. PROUTY	4921 NEWPORT AVE	SAN DIEGO CA	92107
PSYCOM SOFTWARE INTL	2118 FOREST LAKE DR	CINNCINNATI OH	45244
PUBLIC DOMAIN INC.	5025 S RANGELINE RD	W. MILTON OH	45383
PUBLISHERS INTL.	3841 W OAKTON	SKOKIE IL	60076
PYRAMID COMPUTERWARE	278 WARREN ST	EDGEWATE . PARK NJ	08010
Q.E.D.	29924 NE STANTON ST.BOX 12486	PORTLAND OR	97212
QUANTUM LINK	8620 WESTWOOD CENTER DR.	VIENNA VA	22180
QUANTUM DATA	3001 REDHILL BLDG 4 SUITE 105	COSTA MESA CA	92626
QUEUE CAT. #11	5 CHAPEL HILL DR	FAIRFIELD CT	06403
QUICK BROWN FOX	548 BROADWAY	NY NY	10012
QUICKSILVA	426 W NAKOMA	SAN ANTONIO TX	78216
QUIET DESIGNS	2522 GRAND CANAL BLVD #4 & #5	STOCKTON CA	95207
QUILL	100 S SCHELTER RD	LINCOLNSHIRE IL	60069
QUINSEPT	PO BOX 216	LEXINGTON MA	02173
RABBIT SOFTWARE	380 STATION RD	HARROW MIDDLESEX HA1 2DE	UK
RAINBOW COMPUTER CORP.	490 LANCASTER AVE	FRAZER PA	19355
RAK ELECTRONICS	BOX 1585	ORANGE PARK FL	32073
RAM/RBC SYSTEMS	BOX 351	MALDEN MA	02148
RAPIDWRITER	91 LONGHILL RD	LEVERETT MA	01054
RAR TECH	BOX 761	ROCHESTER MI	48063
RAYMAC SOFTWARE GROUP	495 BAND RD	BOULDER CREEK CA	95006
RAYS ENERGY CONSULTANTS	1751 N GRAND AVE. W #41	SPRINGFIELD IL	62702
RDE SERVICES GAMES DEPT.	3580 WARRINGHAM	WATEREFORD MI	48095
REDIKER SOFTWARE	67 GENEVIEVE DR	HAMPDEN MA	01036
RESTON PUB. CO.	11480 SUNSET HILLS RD	RESTON VA	22090
RICHVALE TELECOMMUNICATIONS	BAYVIEW PLAZA, 10610 BAYVIEW	RCHMOND HILL ONT	L4C 3N8

ROBINS SOFTWARE	BOX 20220	BLOOMINGTON MN	55420
ROCKY MT. SOFTWARE	1280C NEWELL AVE	WALNUT CREEK CA	94596
RVR SYSTEMS	BOX 265	DEWITT NY	13214
HOWARD W SAMS	4300 W 62ND ST	INDIANAPOLIS IN	46268
SAMURAI SOFTWARE	BOX 2902	POMPANO BEACH FL	33062
SAVE	1782 MARRIETTA BLVD NW	ATLANTA GA	30318
SCARBOROUGH SYSTEMS	55 S. BROADWAY	TARRYTOWN NY	10591
SCELBI PUB.	20 HURLBUT ST	ELMWOOD CT	06110
FRITZ SCHAFER	SCHNACKEBUSCH 4	D-5106 ROETGEN	WEST GERMAN
FREDERICK SCHEPER	8347 DOCK RD	PASADENA MD	21122
SCHNEDLER SYS.	1501 N IVANHOE ST	ARLINGTON VA	22205
SCHOLASTIC	730 BROADWAY	NY NY	10003
SCIENTIFIC AND ED. SOFTWARE	BOX 54	DAYTON OH	45420
SCIENTIFIC SOFTWARE	525 LOHNES DR	FAIRBORN OH	45324
SCOTT FORESMAN AND CO	1900 E LAKE AVE	GLENVIEW IL	60025
SCREENPLAY	PO BOX 3558	CHAPEL HILL NC	27514
SEGA	5555 MELROSE AVE	LOS ANGELES CA	90038
SELECTONE COMPUTER PROD. DIV.	28301 INDUSTRIAL BLVD	HAYWARD CA	94545
SENSIBLE SOFTWARE	SUITE 229 210 S WOODWARD	BIRMINGHAM MI	48011
SERENDIPITY SOFTWARE	8438 LYNDA SUE LANE	JACKSONVILLE FL	32217
SHUGART ASSC.	475 OAKMEAD PARKWAY	SUNNYVALE CA	94086
REV DANIEL SHUTTERS ZION LUT.	BOX 5	DAUPHIN PA	17018
SIERRA ON-LINE	PO BOX 485	COARSEGOLD CA	93614
SIGHT AND SOUND	PO BOX 27	NEW BERLIN WI	53151
SIGNAL COMPUTER CONSULTANTS	470 STREETS RUN RD.	PITTSBURGH PA	15236
SIGNET BOOKS	1633 BROADWAY	NY NY	10019
SIM COMPUTER PRODUCTS	1100 E HECTOR ST	WHITEMARSH PA	19428
SIMON AND SCHUSTER ELECT. PUB.	1230 AVE. OF THE AMERICAS	NY NY	10020
SIRIUS SOFTWARE	10364 ROCKINGHAM RD	SACRAMENTO CA	95827
SJB DISTRIBUTORS	10520 PLANO RD SUITE 206	DALLAS TX	75238
SKYLES ELECTRIC WORKS	231 E S. WHISMAN RD	MT. VIEW CA	94041
SKYLIGHT SOFTWARE	22 MILLER ST	BELFAST ME	04915
SLAGH SYSTEM SERVICES	BOX 53	DEARBORN MI	48121
SM-SOFTWAREVERBUND PROD.	GEMPHUT GMBH	POSTFACH 01 8702 UETTINGA	West German
SMALL SYSTEMS ENGINEERING	222 B VIEW ST	MT. VIEW CA	94041
D SMITH AND CO.	1164 ANDOVER DR	SUNNYVALE CA	94087
SMOKEY MT. SOFTWARE	13 CHATANOOGA PATH	BREVARD NC	28712
SOFT 4 YOU	BOX 3259	RESTON VA	22090
SOFTLAW	132 AERO CAMINO	GOLETA CA	93117
SOFT PEOPLE	2042 MARSHALL AVE	ST PAUL MN	55104
SOFTPLUS	2818 UNIVERSITY DR	LAWRENCE KS	66044
SOFTSEL	8295 S. LA CIENEGA	INGLEWOOD CA	90301
SOFTSIDE SOFTWARE	305 RIVERSIDE DR	NY NY	10025
SOFTSYNC	162 MADISON AVE	NY NY	10016
SOFTWARE BY SASSO	BOX 969	LAGUNA BEACH CA	92652
SOFTWARE CLEARING HOUSE	POB 68756	INDIANAPOLIS IN	46268
SOFTWARE INTL.	560 N MT. AVE SUITE L	UPLAND CA	91786
SOFTWARE TO GO	RT 3 BOX 309 A 52	CLINTON TN	37716
THE SOFTWARE CONNECTION	5133 VISTA DEL ORO	FAIR OAKS CA	95628
SOFTWARE DIST. SERVICES	1280 MAIN ST	BUFFALO NY	14209
SOFTWARE PUBLISHING CORP	1901 LANDINGS DR	MT. VIEW CA	94043
SOFTWARE JOURNAL	SUITE 42127 600 1ST AVE	SEATTLE WA	98104
SOLID STATE SOFTWARE	1125 E HILLSDALE BLVD	FOSTER CITY CA	94404
SOLIDUS INTERNATIONAL	4202 GUIDE MERIDIAN	BELLINGHAM WA	98226
SOURCE TELECOMMUNICATIONS	11616 ANDERSON RD	MCLEAN VA	22102
SOUTHERN SOLUTIONS	PO BOX P	MCKINNEY TX	75009
SOUTHWEST MICRO SYSTEMS	2554 SOUTHWELL	DALLAS TX	75229
SPELLMASTER SOFTWARE	6219 13TH AVE S	GULFPORT FL	33707
SPINNAKER SOFTWARE	215 1ST ST	CAMBRIDGE MA	02142
SPIRITUAL SOURCE	24 CAROL AVE	MANORVILLE NY	11949
SPRINGBOARD SOFTWARE INC	7808 CREEKRIDGE CIRCLE	MINNEAPOLIS MN	55435
STAR MICRONICS	200 PARK AVE	NY NY	10166
STAR POINT SOFTWARE	STAR RT. 10	GAZELLE CA	96034
STRATEGIC SIMULATIONS INC	883 STIERLIN RD	MOUNTAINVIEW CA	94043
STRICTLY COMMODORE MAG	BOX 7428 STATION E	CALGARY ALB	T3C 3M2
SUBLOGIC CORP	201 W SPRINGFIELD SUITE 1001	CHAMPAIGN IL	61820
SUBURBAN ELECTRONICS	6224 TRANSIT RD	DEPEW NY	14043
SUNBURST COMM.	39 WASHINGTON AVE	PLEASANTVILLE NY	10570

SUNCOM	260 HOLBROOK DR	WHEELING IL	60090
SUNRISE ELECTRONICS	7057 LOMPOC CT	CITRUS HTS CA	95610
SUNSHINE PERIPHERALS	1229 E 28TH ST	BROOKLYN NY	11210
SUPER PET GAZETTE	BOX 411	HATTERAS NC	29743
SUPER SOFT	1ST FLOOR, 10-14 CANNING RD	WEALDSTONE, HARROW	Middlesex
SUSIE SOFTWARE	BOX 380	PROSPECT HTS IL	60070
SW COMPUTERS	1125 NE 82ND	PORTLAND OR	97220
SYBEX	2020 MILVIA ST	BERKELEY CA	94704
SYNAPSE SOFTWARE	17 PAUL DR	SAN RAFAEL CA	94903
SYNERTEK	PO BOX 552 3001 STENDER WAY	SANTA CLARA CA	95051
SYNTAX SOFTWARE INC	33 ELMHURST VAE SUITE 502	WILLOWDALE ONT	M2N 6G8
TAB BOOKS		BLUE RIDGE SUMMIT PA	17214
TAILORED SOLUTIONS	PO BOX 183	WASHINGTON DC	20044
TAYLORMADE SOFTWARE	8053 E AVON LANE	LINCOLN NE	68505
TEACHING TOOLS	BOX 12679	RESEARCH TRIANNGLE PARK	27709
TEACHWARE	3277-B ROSWELL RD SUITE 450	ATLANTA GA	30305
TELELEARNING S:SYS. INC.	505 BEACH ST	SAN FRANCISCO CA	94133
TELESOFT INC	BOX 3456	TROY MI	48084
TEMTECH INFORMATION PRODUCTS	271 WESTCOURT	WATERLOO ONT	N2L 2R8
TEXAS TECHNICAL SERVICES INC	3115 WEST LOOP SUITE 26	HOUSTON TX	77027
THEOBYTE	5227 LEAVENWORTH RD	KANSAS CITY KS	66104
THORN EMI	1881 LANGLEY AVE	IRVINE CA	92714
TIMEWORKS	444 LAKE COOK RD	DEERFIELD IL	60015
TNW CORP.	3351 HANCOCK ST	SAN DIEGO CA	92110
TORPET		HORNING MILLS ONT	LON 1J0
TORREY ENGBERG SMITH CO	BOX 1075	GLENDALE CA	91209
TOTL SOFTWARE	RT 1 BOX 116	LOPEZ ISLAND WA	98261
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BASIC COMMODORE 64 BASIC: $15.95 book by James Coan, from Hayden.

Want to learn how to program your C-64 in basic? Well, this book could be the quickest way to get started! The author did a very good job of starting his reader out simply with printing messages to the screen and progressing all the way to programming the SID chip. All in all, a good way to learn Basic and have a little fun doing so. Recommended-Mike Stout

DOCTOR ARON'S GUIDE TO THE CARE, FEEDING & TRAINING OF YOUR COMMODORE 64: $16.95 by Arthur & Elaine Aron, from Hayden

The Aron's have combined to publish the most complete guide for Commodore 64 users I've ever seen. They cover everything that not only beginner's should know, but even some of the things that regular users should. I would be wasting my time mentioning everything they cover, only to say that you'd have to see it to believe it! HIGHLY RECOMMENDED-Mike Stout

Wishbringer $39.95 adventure game disk for the C64, the Amiga, et. al., by Brian Moriaty, from Infocom. DOS protected. 90 media warranty, $5 replacement after warranty.

It's from Infocom. What more need be said? Infocom's newest adventure game, Wishbringer is billed as introductory level, but that does not mean that it is only for beginners. The puzzles presented are not extremely devious, some of the mapping is done for you, and hints are available along the way. Wishbringer holds true to standard Infocom format. No graphics are used...only detailed descriptions and the player's imagination. The game also uses Infocom's sophisticated parser that is probably the best in the business. Options are available to save the game in progress or to send the text to a printer. The game is well packaged with a storybook telling of the powers of the magic stone, a simple map, a copy of the mysterious letter, and even a glow-in-the-dark plastic Wishbringer.

The game may seem childish at first but is enjoyable to play. It does not take nearly as long to solve as other Infocom adventures. Veteran gamers will probably find it too simple and should, for the most part, skip it. For those who want to get into the world of adventure game or adventurers who could use a refresher course, Wishbringer is Highly Recommended. David Blezard.

Diskribe Marker Pen: $2.50 pen for writing on disks. From Sanford Corp.

How about a $2.50 investment that will solve a continuing problem with disks? The Sanford Diskribe is a special pen which will write on diskette jackets without harming them, assuming you use reasonable care. It comes in gold or silver, must be shaken before each use, has a bad smelling solvent/carrier and works perfectly. Now you can forget those labels that always curl up and smear. Great idea! Be careful though, it's permament ink. Recommended. Jeff Lowenthal.

JANE: [update: #29, p9] $69.95 integrated wordprocessor, spreadsheet, & database on two disks for the C128. By Arktronics, from Commodore. DOS protected program disk.

Well, I was hoping that having a mouse would make Jane easier to use, and it does. But not nearly enough. The system is so busy doing other things that the pointer is slow to respond to the mouse. Overshooting is still a problem. Now that we have Textcraft for the Amiga [review in this issue], it really looks like they took the design for Textcraft and tried to implement it on the C128. It just doesn't work. Well, it works, but it is trying to do more than the system can handle. The Commodore 1350 Mouse [review in this issue], however, is nice, and if you insist on getting Jane, I recommend the mouse. But Jane is still Not Recommended. Tim

Hardware Utilities

CBM 1350 MOUSE: $79.95? mouse for the C128 & C64, from Commodore. 90 day limited warranty.

Well... It's here. Except for a minor variation in the nine pin D-plug control port plug, it is externally identical to the Amiga mouse. Just as smooth, feels just as nice. It doesn't come with software though, and there is little software out there that can use it. Of course, there is Jane [see elsewhere in this issue], and it does make Jane a bit easier to work with. As I say about that program, the system really isn't up to applications software that use alot of dynamic graphics. It will be nice with graphics packages and games though, if such programs come out. And, it is supposed to work with graphics programs on the C64 such as Doodle and Blazing Paddles. But the suggested price of over $70 is ridiculous. It is discounted to around $45 by mail order. If you find some good packages that can use the mouse, would use it, and can afford it, it's good. Recommended. Tim

SFD-1001 FAST COPY: $19.95 disk for the SFD 1001 and C64. By Bruce Oldham, from Bak Room Boys Software. 90 day media warranty with disclaimers; $5 replacement thereafter.

The program reminds me of Jim Butterfield's COPY/ALL. It will copy a full disk between 2 SFDs in about 45 minutes. This seems slow after working with an 8250, but is redeemed by the program's ability to copy from a source disk that has a variety of errors.

The manufacturer states that it will work with just about all of the IEEE interfaces that I have ever heard of, old and new. The equipment I used was a CSI IEEE interface, two SFD 1001 drives, and a C128 in C64 mode. I thought it peculiar that #9 is the source drive during the copy process, but the program has a utility built in to change the device #, so it doesn't require a hard wire change to your drive.

The only reason I would buy this program is to copy from a disk that will not work with a dual drive COPY or the BACKUP command because of disk errors. I have had these problems with the up/download disk on our BBS and had not been able to save some of the programs without a whole lot of work on each separate file. I found the SFD 1001 Fast Copy has solved this problem for me. Recommended. Fran Donovan.

EDIT/ASM: $14.95 disk based editor assembler for the C64. From King Microware. 30 day replacement guarantee, nominal fee thereafter.

Edit/Asm is a valiant attempt to produce simple introductory software about a complex subject at a reasonable price. Unfortunately it falls short of the mark -- but only a bit. There is an UNDOCUMENTED fast load routine that leaves the 1541 disk drive in a nonstandard state. (In fact, the drive does not stop spinning and the drive light stays on after the load - inconvenient.) When you quit the program the computer must be turned off and on again as the quit locks up the system - tacky. The first example in the manual doesn't work correctly, but at least it doesn't crash. I wanted to get the nasty stuff out of the way up front. The reason: it is a good conceptual approach to assembly language. Generally, the product is well done. The main program is written in BASIC and, as a result, the execution is slow. Only 500 source code lines are allowed. However, the package correctly introduces the novice to the fundamental concepts of machine language programming. Fields are properly presented and comments are allowed. Five pseudo opcodes are available and a variety of assembler commands will interest the beginner. The bugs in this package, although major in application, are minor and easily fixed. FIX EM! When rereleased this will be a good entry level product. Not Recommended - yet. Steve Gast

BLITZ-128: $130 BASIC 7.0 compiler on disk for the C-128 and 1541 or 1571 drive. From Skyles Electric Works. Optional second drive and printer. No stated warranty. User port dongle protected.

Blitz!-128 allows the use of two disk drives. You can have all your source programs in drive 8 and obtain your compiled programs on drive 9. With one command, you can compile all of the programs on a disk in drive 8 to an empty disk in drive 9 with only the first program containing the runtime module. My disks generally consist of 12 or 13 programs that are all chained together. This feature allows me to start the compiling process and come back a couple hours later and have it finished with any errors occuring along the way being listed on the printer.

It compiles faster than the SM compiler. On one lengthy program, BLITZ! compiled it in 6 minutes and 38 seconds, while SM compiler crashed due to an undefined array just as it started pass 2 after 8 minutes.

The compiled programs run faster than SM's. A short basic program consisting of a few FOR-NEXT loops and mathematical statements took 340 jiffies in BASIC 7.0; 200 jiffies with the SM compiler; and 142 jiffies with BLITZ.

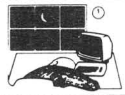
One disadvantage of BLITZ is that if you use the single drive version, unlike the SM compiler, you must have the runtime module included in each program. The compiled programs are quick and work well--providing you do not have two 1571s hooked together while using relative files in the double-sided mode. The drives seem to go out to lunch (without returning) quite often. This quirk exists with non-compiled programs, but it is exacerbated by BLITZ!

The original version had numerous bugs that prevented BLITZ from being any good at all. I recieved an update that seems to have all of the original bugs removed, save two; If you input a null from a file, the variable retains its old value rather than becoming null. Also, if you are using a 1571 in double sided mode and the target disk becomes more than half full, some files get overwritten by others, corrupting both. And you must have 700K [blocks?] free when you use the single drive compiler with a 1571. I am using it, I am fairly well pleased, and I Recommend it. Richard Rediker.

SM COMPILER 128: $79.95 BASIC 7.0 compiler on disk for the C-128 and 1541 or 1571 drive. From SM Software. Optional printer. No stated warranty. DOS protected.

After all the problems with my original copy of BLITZ, I was pleased to get a copy of a bug free compiler that worked. For many, SM Compiler 128 may be the compiler of choice. Two advantages are that with a single drive, you do not have to have the runtime module included with each progam. This feature speeds up chaining between programs and saves alot of disk space. Another advantage is that the programs may be loaded then saved onto another disk, while a BLITZed program requires a copy utility.

But, SM compiles only one program at a time, and uses only one drive. You must have enough room for both the source and the object on the same disk. You cannot GOSUB or GOTO a line that has only a REM statement; this is the only compiler I've seen that won't allow this. All arrays must be DIMensioned at the beginning of the program, even if they arrays contains less than 10 elements. And finally, the SM compiler, and the programs it produces, are slower than with BLITZ. Still, I found no bugs, and it works. So while I prefer BLITZ, SM Compiler 128 is good enough to be Recommended. Richard Rediker.



Notes

128 ODDITIES

A few things I have discovered about the C128: Not only are you able to RESTORE to a specific line number, but you can do calculated RESTOREs. This is useful if you have a self modifying program that stores information in data statements. An example of this is a mailing list program that stores the information using dynamic keyboard techniques. If the DATA blocks start at line 3000 and go by tens (Item 1: 3000-3009; Item 2: 3010-3019; etc.) where "a" is the number of the item wanted, a "RESTORE a*10+3000" will set the data pointer to the correct position.

A potential problem I have discovered is doing a LIST in insert mode (<ESC> 'a'). If there is text on the screen below the line you type the LIST command at, the text on the screen will not be written over, but will be pushed to the end of the program lines LISTed. This could cause problems if you try to edit these lines. I suggest doing an <ESC> '@' to clear the screen from the cursor to the end of the screen if you want to stay in insert mode, or end insert mode with an <ESC> 'c' before listing.

One other thing I noticed is that strange results can occur if you get mad at your C128 and hit the keyboard. Certain key combinations act like the preprogrammed function keys, other keys, or certain keystroke combinations. Simultaneously hitting <SHIFT>, '/', and <SPACE> has the same affect as hitting <SHIFT> <RUN/STOP>. This DLOADs the first program on the disk in device 8; say goodbye to anything in memory. David Blezard

[ed's note: Another oddity, concerning the 1571: The 1571 will not, in native double sided mode, load a locked file. Attempts to load a locked file will result in a "File Not Found" error.

QUANTUM LINK HINTS

by Robert W. Baker

Having used Quantum Link rather heavily over the past two months, I have found a few things that may be worthwhile to pass along as hints.

Besides using the Uninet phone numbers given in the literature, you can use the Telenet system to access Q-Link. If you can't find Uninet locally, call the Q-Link 800 number and check with them. They can give Telenet numbers that may be easier to use.

To use Telenet, you must enter the plus (+) sign before the phone number. This instructs the Q-Link software to use the Telenet protocol instead of the usual Uninet protocol. When you call Telenet, you will see dashes instead of the plus signs you would see when using Uninet. If you have trouble accessing Q-Link via the network, and the plus or minus signs continue to advance, press the F5 key. The modem will hang up, redial the system, and try again. You cannot do this once you get a message that the connection failed or the computer could not access the system.

When on Quantum Link, remember that all the Q-Link message boards allow responses to any message. When you read a given message, the heading line will give the message title, the id of whoever posted that message, the date it was posted, and a message number. If there are responses to that message, there will be an "-R" on the right side of the heading lines. Pressing the F7 key will bring up the menu that lets you read the responses to the displayed message. There can be any number of responses to one particular message, but there is never any indication that there is more than one. As the message boards grow, there can be responses to responses. In this case, the "-R" appears in the heading line of the response being displayed. Messages can be added at any point in the message tree, so you have to dig to find all the responses.

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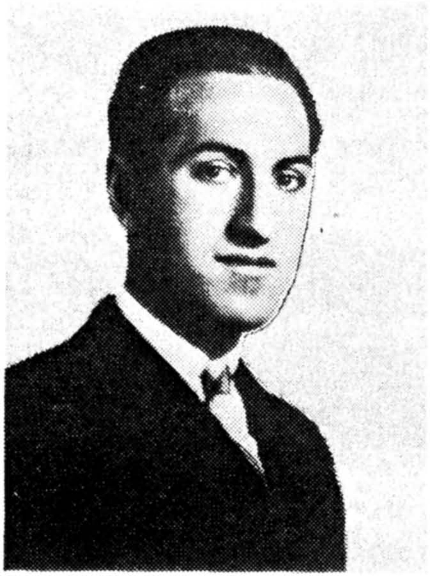

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